IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application. Please amend claims 1, 8, 13 and 19-21 as follows:

Listing of Claims

1. (Currently Amended) An audio/video data processing apparatus comprising:

processing means for compressing audio/video data in units of [[a]] compression ~~block~~ blocks, each having a first data length;

encrypting means for separating each compression block ~~encrypting the compressed data~~ into a plurality of units and encrypting each unit, each encrypted unit being an encryption block having a second data length smaller than the unit of the compression block having the first data length,

wherein the first data length is a data length of an integer multiple greater than one of the second data length;

storage means for storing the encrypted data; and

control means for writing the encrypted data in said storage means so that data positioned in the same encryption block is also positioned in the same compression block, said control means reading the data from said storage means in units of the compression block.

2. (Previously Presented) The audio/video data processing apparatus as set forth in claim 1, wherein said control means inserts data into said compression block to adjust the data length in the compression block so that the length of said compression block becomes a

whole multiple of the second data length of said encryption block.

3. (Previously Presented) The audio/video data processing apparatus as set forth in claim 1, wherein said encrypting means performs encryption processing using the encryption block to be encrypted and a cipher text obtained from the encryption of the encryption block immediately prior to the encryption block to be encrypted.

4. (Previously Presented) The audio/video data processing apparatus as set forth in claim 3, wherein said control means manages the encrypted data stored in said storage means using a cluster containing one or more compression blocks and values initially used when encrypting an encryption block in one of said compression blocks.

5. (Previously Presented) The audio/video data processing apparatus as set forth in claim 4, wherein said control means stores said one or more compression blocks at consecutive addresses of said storage means in the order of encryption, stores said one or more encryption blocks in said compression blocks at consecutive addresses of said storage means in the order of encryption, and stores said initial values at an address immediately prior to the address of at which the first encryption block in the cluster is stored.

6. (Previously Presented) The audio/video data processing apparatus as set forth in claim 1, wherein said control means outputs said data read out in compression block units to said processing means.

7. (Canceled)

8. (Currently Amended) A data processing system for inputting and outputting data while performing mutual identification between a storage apparatus and an audio/video data processing apparatus, said storage apparatus comprising:

first mutual identification processing means for performing processing for mutual identification with said data processing apparatus;

storage means for storing said data; and

first control means for allowing the input and output of data between said data processing apparatus and said storage means when said data processing apparatus is recognized to be a legitimate party by the processing for mutual identification;

said audio/video data processing apparatus comprising:

second mutual identification processing means for performing processing for mutual identification with said storage apparatus;

processing means for compressing audio/video data in units of [[a]] compression ~~block~~ blocks, each having a first data length;

encrypting means for separating each compression block ~~encrypting the compressed data~~ into a plurality of units and encrypting each unit, each encrypted unit being an encryption block having a second data length smaller than the unit of the compression block having the first data length,

wherein the first data length is a data length of an integer multiple greater than one of the second data length; and

second control means for performing at least one of write processing and read

processing when said data processing apparatus is recognized to be a legitimate party by the processing for mutual identification, for writing the encrypted data in said storage means so that data positioned in one encryption block is also positioned in the same compression block during write processing, and

for reading the data from said storage means in units of the compression block during read processing.

9. (Previously Presented) The data processing system as set forth in claim 8, wherein said second control means inserts data into said compression block to adjust the data length in the compression block so that the length of said compression block becomes a whole multiple of the second data length of said encryption block.

10. (Original) The data processing system as set forth in claim 8, wherein said encrypting means performs encryption processing using the encryption block to be encrypted and a cipher text obtained from the encryption of the encryption block immediately prior to the encryption block to be encrypted.

11. (Previously Presented) The data processing system as set forth in claim 10, wherein said second control means manages the encrypted data stored in said storage means using a cluster containing one or more compression blocks and values initially used when encrypting an encryption block in one of said compression blocks.

12. (Previously Presented) The data processing system as set forth in claim

11, wherein the second control means stores said one or more compression blocks at consecutive addresses of said storage means in the order of encryption, stores said one or more encryption blocks in said compression blocks at consecutive addresses of said storage means in the order of encryption, and stores said initial values at an address immediately prior to the address of at which the first encryption block in the cluster is stored.

13. (Currently Amended) An audio/video data processing method, comprising the steps of:

compressing audio/video data in units of [[a]] compression ~~block~~ blocks, each having a first data length;

~~encrypting the compressed data~~ separating each compression block into a plurality of units and encrypting each unit, each encrypted unit being an encryption block having a second data length smaller than the unit of the compression block having the first data length,

wherein the first data length is a data length of an integer multiple greater than one of the second data length;

writing the encrypted data to a storage means so that data positioned in one encryption block are also positioned in the same compression block; and

reading the data from the storage means in units of the compression block.

14. (Previously Presented) The audio/video data processing method as set forth in claim 13, further comprising the step of inserting data into said compression block to adjust the data length in the compression block so that the length of said compression block becomes a whole multiple of the second data length of said encryption block.

15. (Previously Presented) The audio/video data processing method as set forth in claim 13, further comprising the step of using the encryption block to be encrypted and a cipher text obtained from the encryption of the encryption block immediately prior to the encryption block to be encrypted to perform encryption processing.

16. (Previously Presented) The audio/video data processing method as set forth in claim 15, further comprising the step of managing the encrypted data stored in said storage means using a cluster containing one or more compression blocks and values initially used when encrypting an encryption block in one of said compression blocks.

17. (Previously Presented) The audio/video data processing method as set forth in claim 16, further comprising the steps of :

storing said one or more compression blocks at consecutive addresses of said storage means in the order of encryption;

storing said one or more encryption blocks in said compression blocks at consecutive addresses of said storage means in the order of encryption; and

storing said initial values at an address immediately prior to the address of at which the first encryption block in the cluster is stored.

18. (Canceled)

19. (Currently Amended) An audio/video data processing apparatus

comprising:

processing means for compressing audio/video data in units of [[a]] compression ~~block~~ blocks, each having a first data length, wherein the first data length is a data length which is able to replay said audio/video data;

encrypting means for separating each compression block ~~encrypting the compressed data~~ into a plurality of units and encrypting each unit, each encrypted unit being an encryption block having a second data length,

wherein the first data length is a data length of an integer multiple greater than one of the second data length;

storage means for storing the encrypted data; and

control means for writing the encrypted data in said storage means so that data positioned in the same encryption block is also positioned in the same compression block, said control means reading the data from said storage means in units of the compression block.

20. (Currently Amended) A data processing system for inputting and outputting data while performing mutual identification between a storage apparatus and an audio/video data processing apparatus, said storage apparatus comprising:

first mutual identification processing means for performing processing for mutual identification with said data processing apparatus;

storage means for storing said data; and

first control means for allowing the input and output of data between said data processing apparatus and said storage means when said data processing apparatus is recognized to be a legitimate party by the processing for mutual identification;

said audio/video data processing apparatus comprising:

second mutual identification processing means for performing processing for mutual identification with said storage apparatus;

processing means for compressing audio/video data in units of [[a]] compression ~~block~~ blocks, each having a first data length, wherein the first data length is a data length to replay said audio/video data;

encrypting means for separating each compression block ~~encrypting the compressed data~~ into a plurality of units and encrypting each unit , each encrypted unit being an encryption block having a second data length,

wherein the first data length is a data length of an integer multiple greater than one of the second data length; and

second control means for performing at least one of write processing and read processing when said data processing apparatus is recognized to be a legitimate party by the processing for mutual identification, for writing the encrypted data in said storage means so that data positioned in one encryption block is also positioned in the same compression block during write processing, and

for reading the data from said storage means in units of the compression block during read processing.

21. (Currently Amended) An audio/video data processing method, comprising the steps of:

compressing audio/video data in units of [[a]] compression ~~block~~ blocks, each having a first data length, wherein the first data length is a data length for replay of said

audio/video data;

~~encrypting the compressed data~~ separating each compression block into a plurality of units and encrypting each unit, each encrypted unit being an encryption block having a second data length;

wherein the first data length is a data length of an integer multiple greater than one of the second data length;

writing the encrypted data to a storage means so that data positioned in one encryption block are also positioned in the same compression block; and

reading the data from the storage means in units of the compression block.